

ABSTRACT

Wahyu Retnoningsih. **The Implementation of Guided Inquiry Model with Multimedia to Improve the Results of Science Learning with Theme 6 about Heat and Its Movement in Grade V Students in SD Negeri 1 Kebulusan in Academic Year 2018/2019.** Thesis. Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta. March 2019.

This study aimed to: 1) describe the implementation of the guided inquiry model with multimedia to improve learning outcomes of science with theme 6 about heat and its movement; 2) improve the learning outcomes of science with theme 6 about heat and its movement, 3) describe the constraints and solutions in applying the guided inquiry model with multimedia to improve learning outcomes of science with theme 6 about heat and its movement in grade V students in SD Negeri 1 Kebulusan in Academic Year 2018/2019.

This research is a collaborative classroom action research (CAR) carried out in three cycles. Each cycle consists of four stages, namely: planning, implementation, observation, and reflection. The subjects in this study were grade V students of the SD Negeri 1 Kebulusan in Academic Year 2018/2019, totalling 27 students. The data used were qualitative data in the form of observation and interviews about implementation guided inquiry model with multimedia and quantitative data in the form of the value of learning evaluation. Data collection techniques used observation, interviews, and tests. Data validity used sources and technique triangulation. Data analysis included data reduction, data presentation, and conclusion drawing.

The results of the study indicated that: (1) the steps for applying the guided inquiry model with multimedia in this study included: (a) orientation with power point text media; (b) conceptualization with power point text media and picture/video; (c) investigation with the help of concrete media; (d) conclusion; (e) results discussion with power point text; (2) the application of the guided inquiry model with multimedia could improve the learning outcomes of science with theme 6 about heat and its movement in each cycle. Learning outcomes always increased in every cycle. The first cycle increased to 75.93%, the second cycle was 85.19%, the cycle III was 92.59%; (3) constraints on the implementation of the guided inquiry model with multimedia were students still have difficulty discussing the results of their knowledge. As for the solution, the teacher provides a stimulus by focusing students on discussion activities and asking each group to actively participate in both asking and responding when the discussion takes place.

The conclusion in this study included the implementation of the guided inquiry model with multimedia could improve the learning outcomes of science with theme 6 about heat and its movement in grade V students in SD Negeri 1 Kebulusan in Academic Year 2018/2019.

Keywords: guided inquiry model with multimedia, learning outcomes science with theme 6 about heat and its movement